

Block, F.R.

Electromagnetic Suspension-Melting-A Contribution to the Technique of Floating Melting.  
ELEKTROWARME, 1971, Vol.29, No.6, June, pp.349-354.  
BISI 12241

Piehl, E.

Electric ceiling radiant heating. A trial in communal dwelling.

ELEKTROWÄERME (INTERNATIONAL), v. 29, p. 406-410, 1971

NTC 73-11025-13A

P. ANDERS

Data on Electricity Demand of Department Stores and  
Supermarkets.

ELEKTROWAERME INTERNATIONAL, Vol 29, pp 488-491,  
1971.

NTC 73-10251-13A

Mar 73

C. BRAND

Operation and Economy of Electrically Heated  
Baking Ovens.  
ELEKTROWAERME INTERNATIONAL, Vol 29, pp 498-504,  
1971.  
NTC 73-10256-13A

Mar 73

Neumann, F.

Comparative study of cast iron melting in cupolas and  
coreless induction furnances.

ELEKTROWAERME (INTERNATIONAL), v. 29, p. 552-564, 1971

NTC 73-11033 -11F

A. ADAMEC

Inductor Cardioqram:Key to Success.  
ELEKTROWAERME INTERNATIONAL, Vol 29, pp 564-570,  
1971.  
NTC 72-15369-13A

Mar 73

Meier, G.

Explosion hazards and thermal behaviour of electrically  
heated riping.

ELEKTROWÄERME (INTERNATIONAL), v. 29. p. 655-660, 1971.

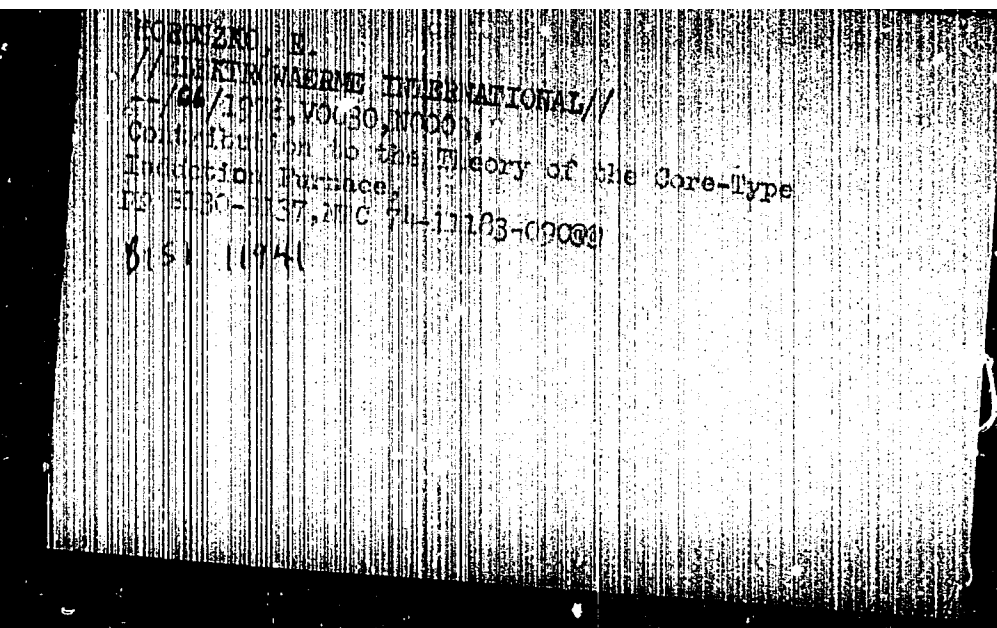
NTC 73-11034-20M

Reese, E.

Use of electric heat pump for wood drying.

ELECTRONIC LITERATURE, Vol. 80, 1978, pp A77-A88  
NO 74-1371-1A





Trenkowitz, G.

The use of heat pumps for heat recovery  
ELEKTROWARME INTERNATIONAL, vol. 30, No. 4, pp.A180-  
A187 (July 1972)  
O.A. Trans. 1264

may 73

... demand for electricity for processing purposes in  
the chemical and metallurgical industries.  
ELEKTROKHEMIE INTERNATIONAL, Vol 30, No 6, 0 1972  
pp 267-268  
O.E. trans 6317

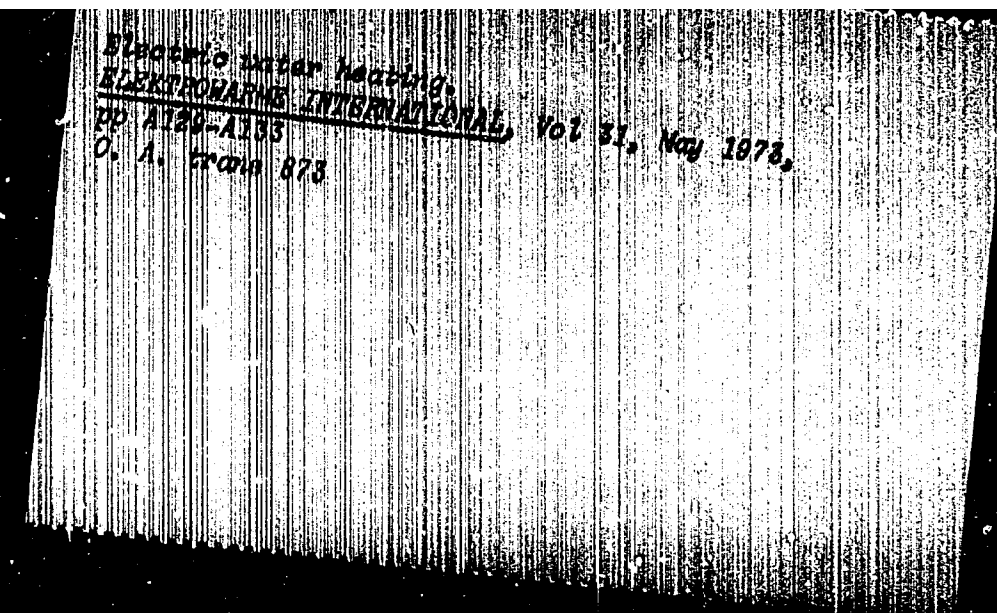
Jager, S.

Thyristor-Controlled Reactors for Suppressing  
Network Flicker Caused by an Arc Furnace.

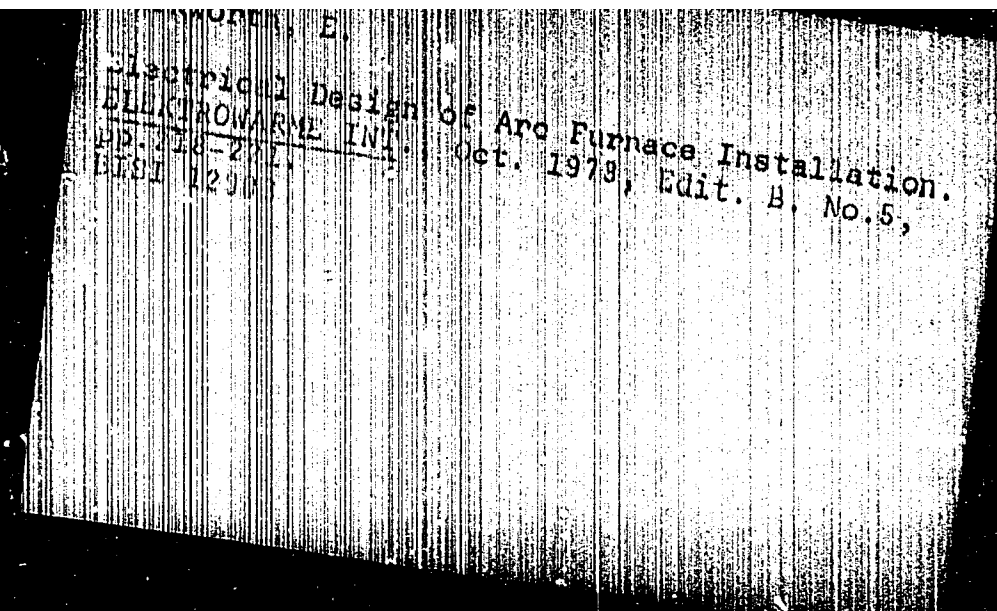
ELEKTRO WARME INT., 1972, Edition 8, Oct.,

pp.B267-B274.

BISI 10971



*The regulation and control of electro storage heaters.*  
ELECTRONICS INTERNATIONAL, Vol 32, May 1973,  
pp 1145-1155  
O. A. trans 874



Edemsky, W.M. et al.  
Development and Improvement of Automatic Con-  
trollers for 200-Ton Arc Steel Melting Furnac-  
es.  
ELEKTROWARME INT. Oct. 1973 Edit B, No.5, pp.  
224-227.  
BISI 12004



SCININT, R. A.  
//INSTRUMENT INTERNATIONAL//  
--/--/1978 V0003, 000A7,  
Electric Water Heating,  
DP A 29-A133, NTC 7-1 383-1340?

DATE: 7/1/73  
 FROM: RISK MANAGEMENT INTERNATIONAL  
 TO: 73-00031-10013  
 SUBJECT: Regulation and Control of Electric Storage  
 Systems  
 RE: 74-11182-00033

Hartman, S.

Coating wires with collagen-free enamel:

ELEKTROIZOLACIJA I PAKOVKA TEHNIKA, Vol 26, No 1,

1978, pp 12-22

NTC 78-13597-13H

Sasaki, W. et al

Some Experiments Concerning the Impurity-Band  
Conduction in Germanium 10 pp

ELECTROTECHNICAL LABORATORY, June 15, 1960

ACSI-K-3014

FSTC-HT-1409-72

Maximal, O.

Dimensioning of high powered wind driven electric  
generation.

TEKNOLOGIJA IMAŠINENJE, vol. 57, no. 7/8,

Feb. 17, 1989 08:33:29

/NASA TT 1-19, 13

12/09/1959, V0067, N1-119  
High wind power plants, 10pp  
pp 501-506, NASA TT F 15444  
NCS. 41 & 4298

Putz, H.

The Passing Through of Synchronous Torque Dips  
in Squirrel Cage Induction Motors.

ELEKTROTECHNIK UND MASCHINENBAU, vol 85,

pp 350-354, 1968.

NTC 73-10478-09C

may 73

Pam, P.

*Insulating oils - General comment on chemical structure  
and applications.*

ELEKTROTECHNIK UND MASCHINENBAU, Vol. 88, No 7, July 1973

pp 890-897

G. E. trans 5816



E. SZOLDATICS

Acceptance Tests and Periodic Checking of Insulating  
Oils.

ELEKTROTECHNIK UND MASCHINENBAU, Vol 88, pp 300-305,  
1971.

NTC 73-10254-11H

Mar 73

Horak, W.

Conditioning and regeneration of transformer and  
instrument transformer oil.

ELEKTROTECHNIK UND MASCHINENBAU, no. 7, vol. 88,

1971, pp. 305-312

C. K. TRANS 5018

Prisch, F.  
Diffusion resistance of concrete grounds.  
ELEKTROTECHNIK UND MASCHINENBAU, Vol. 88, 1971,  
pp. 541-545  
NTC 78-14010-13C

Dukko, G.V. et al

Diffusion of Impurities along Electron Beam  
Induced Defects

ELEKTRON OBRABOTKA, AKAD. NAUK MOLD. SSSR,

Vol. 6, pp. 58-60, 1987.

\*EITC PT 74 53216

Naya

RUSSIAN

CSO: 8344/0227  
2 August 1974

*Complete*  
The Effect of a Permanent High-Intensity  
Magnetic Field on Mitosis in Beam Roots, by  
V. Yu. Stredova

Kishinev, Elektronnaya Obrabotka Materialov,  
No 6, 1967, pp 74-78

Special type B

Do not publish

Single spaced draft plus one and include  
repros

RUSSIAN

CSO: 8344/2285

24 June 1974

*Complete  
Specimen  
9/1/74*

The Effect of a Constant Magnetic Field on  
the Dynamics of Blood Circulation in Warm-  
Blooded Animals, by A. I. Likhachev

Kishinev, Elektronnaya Obrabotka Materialov,  
No 1. 1968, pp 75-80

*Vol. 1*  
Special type B

Do not publish

Single spaced draft plus one and include  
graphics

#2  
RUSSIAN

CSO: 8344/0333  
30 August 1974

Genetic Difference in the Reaction of Some  
Plants and Animals to the Effect of Magnetic  
Fields, by V.G. Shakhbazov, G.Ye. Zhilina et al.

Kishinev, Elektronnaya Obrabotka Materialov,  
No. 3, 1968, pp 71-74.

Special Type B  
Do not publish  
Single space draft plus one  
Reproduce all graphics

RUSSIAN

CSO: 8344/0011  
8 July 1971

*3/10/71*

The Effect of Magnetic Fields on the Sensitivity  
of Dysentery Bacteria to a Polyvalent Phage, by  
S.A. Pavlovich

Kishinev, Elektronnaya Obrabotka Materialov, No 6  
1969, pp 66-67

Special type B

Do not publish

Single spaced draft plus one



RUSSIAN *Complete [unclear]* CSO: 8344/2252

*Special total 43 pp* 13 August 1974

*G* Effect of a Constant Magnetic Field on Cell Division

Elektron. Obraz. Mater., No 5, 1970, pp 76-84

Special type B

Do not publish

Single spaced draft plus one

RUSSIAN

CBO: 8344/4294

20 June 1974

*Complete  
5 pp*

Mechanism of the Biological Effect of Low  
Frequency Magnetic Fields, by Ye. Z. Gak,  
T.G. Zhgenti, G. P. Komarov

Kishinev, Elektronnaya Obrabotka Materialov,  
No 1 1971, pp 63-66

Special type B  
Do not publish  
Single spaced draft plus one and please  
include all repros

CHARACTERISTICS OF ENERGY RELEASED IN A CHANNEL  
FORMED BY AN EXPLODING WIRE

DOCHERETIN, V.      LANGUAGE-RU      COUNTRY-UR

ELEKTRONNAYA OBRABOTKA MATERIALOV NO. 3 1971  
PP. 74-75

FSTC-HT-23-0131-74

REQ TR CHECK

28-08-73

T387

ELECTRICAL AND MAGNETIC PROPERTIES OF  
SOLUTIONS AND KINETICS OF HARDENING IN AN  
ELECTROMAGNETIC FIELD

ROMANOVSKIY, S.G.; BEKETOVA, A.G.

UR: ELEKTRONNAYA OBRABOTKA MATERIALOV,

NO. 4, 1971, pp. 37-42

*Process in an**HS 74-23-0387*

Semhara, E.

Prospects of the Utilization of Wind Power in Czechoslovakia

ELEKTROTECHNICKY OBZOR, vol. 38, Sept. 1949, pp. 477-481

NASA TT F-15,305

Tischer, Z.

Evaluation of magnetic materials for  
hysteresis motors.

ELEKTROTECHNICKY OBOZRY, 1966, pp 360-363,

v. 55.

NTC 73-12025-09C.

Koran, V.

Some problems connected with the design of hydro-  
alternators for pumped storage power stations

ELEKTROTECHNICKY OBSOR, Vol 56, No 9, pp 490-496, 1967

E.E. Trans 6082

may 73

O. Lacina

Rated voltage of capacitors connected to  
line frequency, non-sinusoidal voltage  
ELEKTROTECHNICKY OBZOR, Vol. 56, No. 10,  
pp. 565-568 (Oct. 1967)  
C. E. Trans 6193



Hanzelin, F.

Formation of series and unification in the design  
of direct-current machines.

ELEKTROTECHNICKY OBZOR, v. 57, n. 3, p. 137-141,  
1968.

NTC 73-11056-09C

KTWAS, DUMAIR  
//ELECTRONIC CIPHER//  
---//1971, 70060, 700119  
Type is 151/20 25 KV/2, 0.400 Hz Middle Frequency  
Rotary Converter, 10 pp.  
ED 501-581, FBTC-HI-28-0 02-74  
DISSEMINATION LIMITED TO US GOVT AGENCIESGG

HLavac, J.

*Transient thermal phenomena in turbine-generators with  
water-hydrogen cooling.*

ELEKTROTECHNICKY OBLAZ, Vol 62, No 4, 1972, pp 159-174

NTC 75-14583-09C

FEUT, I.  
//ELEKTROTECHNICKY OBRZOR, //  
---/---/1973, V---, N---,  
Hybrid ac and dc transmission of electric power,  
pp 712-720 C.E. TRANS 843188

RUSSIAN

OSO: 8344/1932

22 April 1974

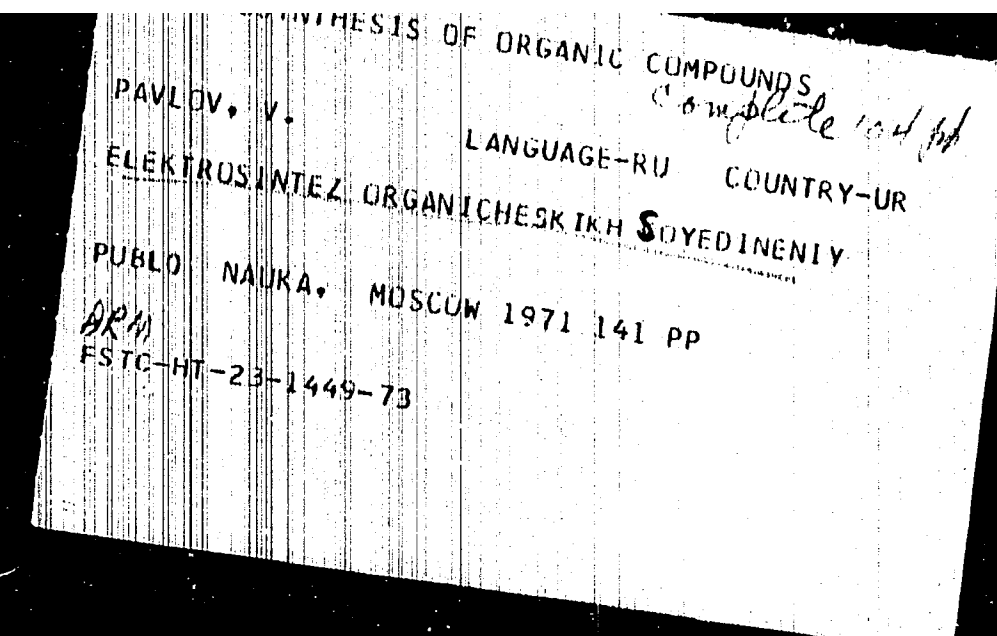
Electron Optics and Electron Beam Instruments, by  
A. A. Zhigarev - (annotation, foreword, and table  
of contents)

Moscow, Elektronnaya Optika i Elektronno-Luchevyye  
Pribory, 1972

Special type B

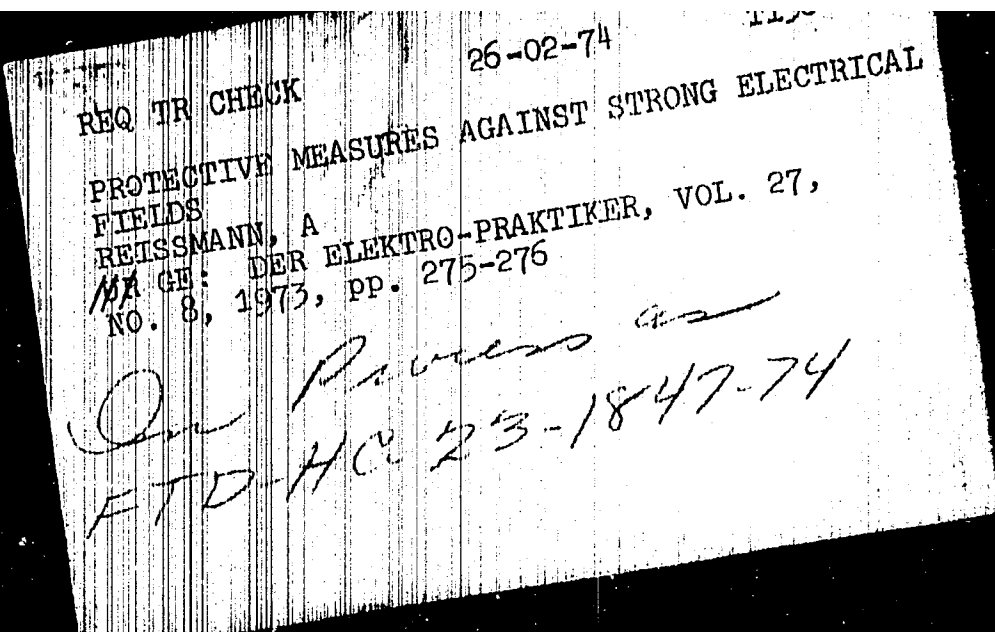
Do not publish

Single spaced draft plus one



Electron-beam melting and refining of metals and alloys  
261 PP  
ELEKTRONNOLUCHEVAYA PLANKA I RAFINIROVANIYE METALLOV I  
SPRAYOV, 1978, PP 1-259  
AIR/ETD-MT-24-16-74

THE FOLLOWING PAGES WERE MISSING IN THE FOREIGN DOCUMENT:  
100, 101, 118, 119, 150, 151, 168, 169, 200, 201





ELECTRICAL POWER SUPPLY (2ND EDITION) *complete 90/1/1*

PIENTKEVSKIY, B LANGUAGE-RU COUNTRY-UR

ELEKTRIFITSIYE PREDPRIYATIY PROVOODNOY SVYAZI  
(120. 20YE)

SVYAZ', MOSCOW, 1972, CH. 7-10, PP 100-161

*ARM*

FSTC-HT-23-0931-74

Ivanefo, P. I.

Distribution of the voltage in the arresting space of a  
minimum oil h.v. circuit breaker

ELEKTROPROMISHLENOST I PRIBOROSTROENIE (BULGARIA), Vol 7

No 8, pp 303-305, 1972

C.E. Trans 6163

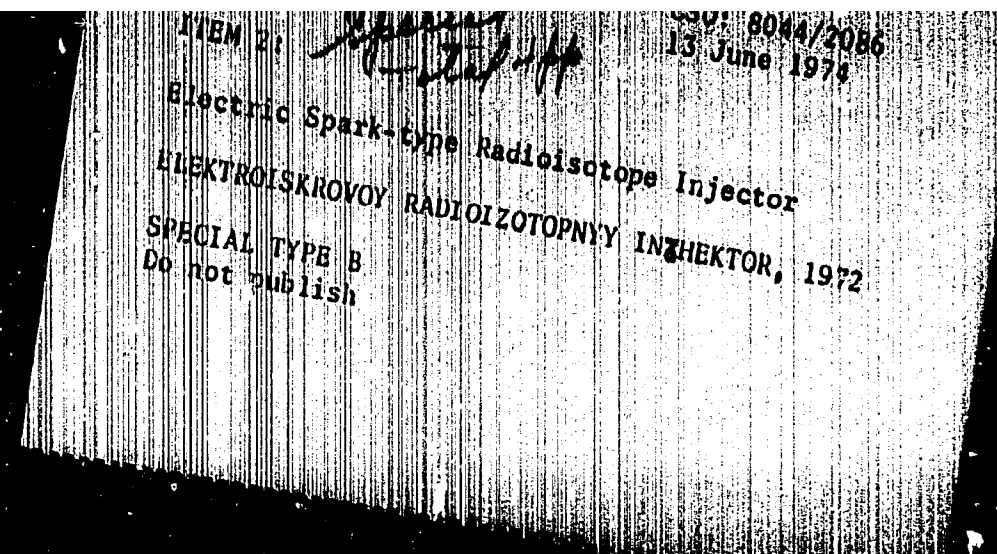
may 73

FORMATION OF THE EXCAVATOR CHARACTERISTICS OF  
A FREQUENCY REGULATED ASYNCHRONOU

SOKOLOV, G. V.      LANGUAGE-RU      COUNTRY-UR

ELEKTRMAGNIT. PROTSESSY V PRIVOD. S CHASTOT.  
UPRAVL., 172 ("NAUKA") 89-10

FSTC-HT-23-0424-74



Elektrosvyaz i Radiotekhnika, Vol 26/27, No 5, 1972.

Cover-to-Cover by Scripta Publishing Company

Available at Ly Serials

Apr 73

Elektrosvyaz i Radiotekhnika, Vol 26/27, No 6, 1972.

Cover-to-Cover by Scripta Publishing Company

Available at Ly Serials

Apr 73

COVER TO COVER

ELEKTROSVYAZ' I RADIOTEKHNKA, Vol 26-27, No 7, 1972,  
Russian pages 1-105  
English pages 1-142

Scripta Publishing Company

avail by info

may 78

ELEKTROSVYAZ' I RADIOTEKHNICA, Vol 26/27, No 8, 1972

Full translation Scripta Publishing Co.

avail LY INFO



English pages 1-107  
English pages 1-140  
Full translation Scripta Publishing Co  
Avail by Serials

ELEKTROSVYAZ' AND RADIOTEKHNIKA, Vol 26/27, No 10, Oct 1978

Oct 1978

RUSSIAN PAGES

ENGLISH PAGES

1-104

1-133

Full translation SCRIPTA TECHNICA

Avail by Serials

ELEKTROSVYAZ I RADIOTEKHNIKA, Vol. 27/28, No. 1  
1978

ENGLISH PAGES: 1-134

RUSSIAN PAGES: 10-108

C/O S/P

Avail Ly Ser

ELEKTROSVYAZ' AND RADIOTEKHNICA, Vol 27/28, No 3, 1973

RUSSIAN PAGES 1-111

ENGLISH PAGES 1-141

Full translation Scripta Publishing Co

Avail by Info

ELEKTROSVYAZ' AND RADYOTEKHNIKA, Vol 27/28, No 4, 1973

RUSSIAN PAGES Vol 27, pp 3-36 Vol 28, pp 1-104  
ENGLISH PAGES Vol 27, pp 1-54 Vol 28, pp 50-120

Full translation Scripta Publishing Company

Avail in Serials

ACTIVITY IN MOLTEN SALTS  
SMIRNOV, M. *complete scpp*  
LANGUAGE--RU COUNTRY--UR  
ELEKTROKHM. RASPLAV. SOLEV. I TVERD. ELEKTRO  
. NO. 16, 1970 PP 3-16  
FSTC-MT-23-1338-73

DENSITY AND MOLAR VOLUME OF MELTS IN THE SYST  
EMS L-CL-NACL, NACL-RBC1, NACL-CSC

SMIRNOV, M.

LANGUAGE--RU' COUNTRY--UR

ELEKTROKHM. RASPLAV. SOLEV. I TVERD. ELEKTRO  
• NO. 16 1970 PP 17-20

FSTC-HT-23-1340-73

INDICES OF REFRACTION OF MOLTEN FLUORIDES OF  
LITHIUM SODIUM AND POTASSIUM

SMIRNOV, M.            LANGUAGE-RU    COUNTRY-UR

ELEKTROKHIM. RASPLAV. SOLEV. I TVERD. ELEKTRO  
• NO16 1970 PP 40-41

FSTC-HT-23-1341-73



THERMAL DECOMPOSITION OF MOLTEN LITHIUM CARBO  
NATE

SMIENOV, M.

LANGUAGE--RU COUNTRY--UR

ELEKTROKHIM. RASPLAV. SOLEV. I TVERD. ELEKTRO  
• NO16 1970 PP 82-87

FSTC-HT-23-1342-73

ENERGY CONTENT OF VARIOUS FUELS IN HIGH TEMPE  
RATURE ELECTROCHEMICAL OXIDATION *complete 7pp*

STEPANOV, G. LANGUAGE-RU COUNTRY-UR

ELEKTROKHIM. RASPLAV. SOLEV. I TVERD. ELEKTRO  
• NO16 1970 PP 99-105

FSTC-HT-23-1339-73

STATIONARY POTENTIALS AND ANODIC POLARIZATION  
OF PLATINUM AND POLLADIUM IN A MO

OZERYAHAYA, I. LANGUAGE-RU COUNTRY-UR

ELEKTROKIMIYA RASPLAVENNYKH SOLEVYKH I TVERD  
• ELEKTR NO 17 1971 PP 77-8

FSTC-HT-23-1344-73

ANODIC POLARIZATION OF NICKEL IN ALKALINE ME  
AL CARBONATES  
PENYAGINA, O.  
LANGUAGE-RU COUNTRY-UR

ELEKTROHIMIYA RASPLAV. SOLEV. I TVERD. ELEKTR  
O. NO 17 1971 PP 87-93  
ARM/  
FSTC/HT-28-1343-73

Input of Handwritten Characters on an Image Screen  
and their Recognition  
ELEKTRONISCHE RECHENANLAGEN, v. 12, 1970, pp. 188-193  
NAC 71-12560-09B

SCHEIDT, E.  
A Trial System for Storage, Retrieval and long-  
range Transmission of Textual and Pictorial Information  
ELECTRONIC RESEARCH AND DEV., v. 12, 1970, pp. 201-207  
NTC 73-1265-00B

Jurzi, W.

A comparison of mos- and mes-field-effect  
transistors with 1  $\mu$ m channel length for  
integrated d.c.-coupled circuits.

ELEKTRONISCHE RECHENANLAGEN, 1972, pp 19-27,

v. 14, n. 1.  
NTC 73-12370-09B.

Gouvin, H.

Fault detection in sequential circuits by using boolean  
differences

ELEKTRONISCHE RECHENMASCHINEN, v. 14, n. 3, 1972, pp. 76-

80

WFO 73-24050-09A



Presman, A. S.

Electromagnetic Signalling in Animals Nature.

1 pp

ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVVOY PRIRODE.

Moscow, pp 3-4.

JPRS 62434

Presman, A. S.

Introduction to Electromagnetic Signalling in  
Animate Nature.

2 pp

ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVOM PRIRODE.

Moscow, 1971, pp 3-4.

JPRS 62434

Presman, A. S.

Electromagnetic Fields -- Information Carriers  
in Animate Nature.

10 pp

ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVOM PRIRODE.

Moscow, 1974, pp 5-12.

JPRS 62434

Presman, A. S.

Biorythms, Orientation and Electromagnetic Fields.

13 pp

ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVVOY PRIRODE.

Moscow, 1974, pp 13-34.

JPRS 62434

Presman, A. S.  
Electromagnetic Disturbances, Radio Background and  
the Vital Activity of Organisms.  
8 pp  
ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVOM PRIRODE.  
Moscow, 1974, pp 24-32.  
JPRS 62434

Presman, A. S.

Electromagnetic Signalling Inside the Organism  
and Between Organisms.

11 pp

ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVOM PRIRODE.

Moscow, 1974, pp 32-45.

JPRS 62434

Presman, A. S.

Means of Studying Electromagnetic Signalling in  
Animate Nature.

11 pp

ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVVOY PRIRODE.

Moscow, 1974, pp 45-56.

JPRS 62434

Presman, A. S.

Conclusions and Bibliography to Electromagnetic  
Signal in Animals and in Nature.

11 pp

ELEKTROMAGNITNAYA SIGNALIZATSIYA V ZHIVYI PRIRODE.

Moscow, 1974, pp 56-58.

JPRS 62434



REQ TR CHECK

21-01-74

TFW51

ELECTROTECHNICAL HANDBOOK. VOL. 1, BOOK 2,  
4TH ED., REV. (SECTIONS 19, 20, 22, 24, 25)  
GRUDINSKOGO, P.G.; PETROVA, G.N.  
UR: ELEKTRO-TEKHNIЧЕСКИЙ СПРАВОЧНИК.  
ТОМ 1. КНИГА ВТОРАЯ. ИЗДАНИЕ ЧЕТВЕРТОЕ,  
ПЕРЕРАБОТАННОЕ. 1971, pp. 530-511;  
639-709; 752-757; 811-832

*On Process*  
*FTD-HC-23-1545-74*

ELECTROTECHNICAL HANDBOOK

ED. GRUDINSKOGO

LANGUAGE-RU

COUNTRY-UR

ELECTROTEKHNIЧЕСКИЙ СПРАВОЧНИК, VOL 1, BOOK  
2, 4TH EDITION, REVISED

ENERGIYA, MOSCOW, 1971, PP 752-67, 811-32. ON  
LY

FSTC-IT-23-0076-74

Dekhtyar, I.Y.A.

Electronic Structure and Properties of  
Transition Metals and Their Alloys

ELEKTRONNYA STRUKTURE I - - - - 1970 320 pp

Reported by Plenum in 1969

Cancelled by Plenum 20 July 1973

Bryunin, V. N.

Analysis of Failures of Hybrid Integrated  
Microcircuits.

5 pp

ELEKTRONNAYA TEKHNIKA, Moscow, No 5, 1972, pp 40-43.

JPRS 62192

Tsybizov, F. S.

The Quality of Thermocompression Connections and  
Means of Improving the Dependability of Microcir-  
cuits.

5 pp

ELEKTRONNAYA TEKHNIKA, Moscow, No 5, 1972, pp 44-  
47.

JPRS 62192

Ovcharenko, V. I.  
Method of Closing and Breaking Testing of Field  
Transistors With p-n Junction.  
9 pp  
ELEKTRONNAYA TEKHNIKA, Moscow, No 5, 1972, pp 79-  
85.  
JPRS 62192

Voronova, N. I.

Compatibility of Materials and Dependability of  
Hybrid Microcircuits.

7 pp

ELEKTRONNAYA TEKHNIKA, Moscow, No 5, 1972. pp 92-97.

JPRS 82192

RUSSIAN

CSO: 8344/2084

15 May 1974

See attached list

Moscow, Elektronnaya Tekhnika, No 5, 1972

Please publish and include repros

Please provide JPRC/Ad Hoc with one extra copy.

40-43  
44-47  
79-85  
92-97  
109-111



RUSSIAN

CSO: 8344/0499  
18 September 1974

*Complete  
Special*  
Electronic Engineering. 11877 6240

Moscow, Elektronnaya Tekhnika, 1972, No. 6.

Special Type A  
Do not publish  
Single Spaced Draft plus one.

RUSSIAN

GUO

*Com. Special 146*

CSO: 8344/0498  
18 September 1974

Electronics Engineering.

Moscow, Elektronnaya Tekhnika, 21 July 1972, No. 7.

Special Type A -- Do not publish  
Single Spaced Draft plus one.

Mevissen, H.

The monitor software of a local telephone exchange.  
ELEKTRONICA EN TELECOMMUNICATIE, No 8, p 115-119,

1971

NTC 73-10412-17B

may 73

Nieuwgiessen, D. van de

The programme pack t of a local telephone exchange.  
ELETRONICA EN TELECOMMUNICATIE, No 8, p 119-124,

1971-  
NIC 73-10413-17B

may 73

Electric Recording Devices by V. M. Brodkin.  
ELEKTROPROIGRYVAYUSHCHIYE USTROYSTVA, pp. 104  
1972.

ACSI K-3802

may 73